PROJECT TITLE : Unit Operations I

PERIOD COVERED : April 29th - May 23rd, 1980

WRITTEN BY : P. Karbacher

NINOMASS

The rented Aeromatic fluidized bed dryer arrived on May 20th and was started up.

We received the price offer for dried NINOMASS from VLGZ, Sursee. At the moment VLGZ is willing to pay SFr. 75.- per 100 kg of dried NINOMASS. This is an acceptable price. The price for dried yeast depends on the fluctuations of the world market for animal feed. Soya and fish-powder are in direct competition with dried yeast.

RL-HANDSHEET MAKING UNIT (Ref. 1)

On May 6th a RL handsheet trial was carried out in the development lab of the paper-mill Biberist.

Extracted European RL feedstock was refined in an experimental, valley-type beater.
The residence time of the material in the valley beater was varied and samples were taken at different times to determine the degree of refining according to the Schopper-Riegler method. A Schopper-riegler "Freeness" tester was used for these tests.
The handsheets were made on a Williams sheet mould.

Figure 1 shows the effect of the milling time on the degree of refining.

The handsheets were given to the lab for different analyses.

MISCELLANEOUS

Help was given to Mr. Lüthi for dust sieving trials and to Mr. Robbiani for Monique/RCB trials.

REFERENCES

Ref. 1 : Notebook IV, KPA, pages 11 - 13.

PROCESS DEVELOPMENT

P. Karbacher

May 28th, 1980
KPA/sde

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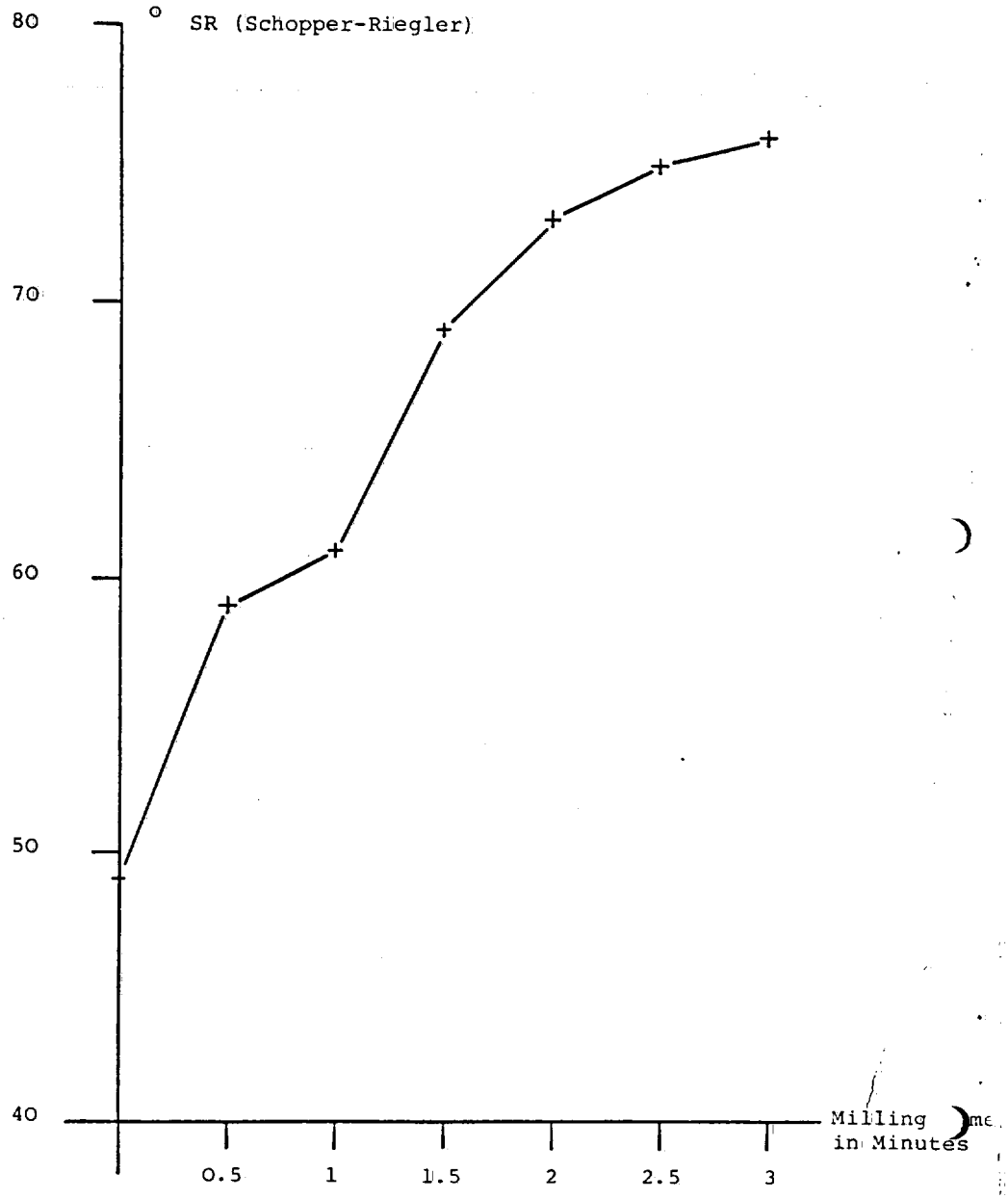
FIGURE 1

EFFECT OF MILLING TIME ON DEGREE OF REFINING



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